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(71) Applicants (for all designated States except US): CURAGEN CORPORATION [US/US]; 322 East Main Street, Branford, CT 06405 (US). GENENTECH, INC. [US/US]; One DNA Way, South San Francisco, CA 94080 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): RASTELLI, Luca [US/US]; 52 Pepperbush Lane, Guilford, CT 06437 (US).

(74) Agent: WRONA, Thomas, J.; Brinks Hofer Gilson & Li-one, P.O. Box 10087, Chicago, IL 60610 (US).

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(54) Title: NOVEL SPHINGOSINE KINASES

(57) Abstract: Disclosed herein are novel human nucleic acid sequences that encode polypeptides. Also disclosed are polypeptides encoded by these nucleic acid sequences, and antibodies that immunospecifically-bind to the polypeptide, as well as derivatives, variants, mutants, or fragments of the aforementioned polypeptide, polynucleotide, or antibody. The invention further discloses therapeutic, diagnostic and research methods for diagnosis, treatment, and prevention of disorders involving any one of these novel human nucleic acids and proteins.